

## AUTHOR INDEX

- Antal, J., *see* Birkas, M. et al.
- Auzet, A.V., *see* Rauws, G. and Auzet, A.V.
- Ball, B.C., Lang R.W., O'Sullivan, M.F. (Midlothian, Gt. Britain) and Franklin, M.F. (Aberdeen, Gt. Britain)
- Cultivation and nitrogen requirements for continuous winter barley on a gleysol and a cambisol ..... 333
- Barnes, P.L., *see* Christensen, N.B. et al.
- Birkas, M., Antal, J. and Dorogi, I. (Gödöllö, Hungary)
- Conventional and reduced tillage in Hungary — A review ..... 233
- Blackwell, J., Jayawardane, N.S., White, R. (Griffith, N.S.W., Australia), Horn, R. (Kiel, F.R.G.) and Blackwell, P.S. (Canberra, A.C.T., Australia)
- Vertical stress distribution under tractor wheeling in a partially deep loosened typic Paleustalf ..... 1
- Blackwell, P.S., *see* Blackwell, J. et al.  
*see* Horn, R. et al.
- Buraymah, I.M. (Wad Medani, Sudan) and Webster, R. (Harpden, Gt. Britain)
- Variation in soil properties caused by irrigation and cultivation in the central Gezira of Sudan ..... 57
- Carr, M.K.V., *see* Parker, C.J. et al.
- Carter, M.R., Book Review of *Effects of Conservation Tillage on Groundwater Quality — Nitrates and Pesticides*, edited by T.J. Logan, J.M. Davidson, J.L. Baker and M.R. Overcash ..... 329
- Chan, K.Y. (Rydalmere, N.S.W., Australia)
- Effect of tillage on aggregate strength and aggregation of Vertisols ..... 163
- Friability of a hardsetting soil under different tillage and land use practices ..... 287
- Christensen, N.B. (Clovis, NM, U.S.A.), Sisson, J.B. and Barnes, P.L. (Manhattan, U.S.A.)
- A method for analyzing penetration resistance data ..... 83
- Cullum, R.F. (Fairbanks, AK, U.S.A.), Graham, W.D. and Gaultney, L.D. (West Lafayette, IN, U.S.A.)
- Tillage energy requirements in interior Alaska ..... 317
- Descornet, G., *see* Destain, M.F. et al.
- Destain, M.F., Roisin, C., Frankinet, M. (Gembloux, Belgium) and Descornet, G. (Bruxelles, Belgium)
- Investigation of soil degradation by means of an opto-electronic microreliefmeter ..... 299
- Dexter, A.R., *see* Horn, R. and Dexter, A.R.
- Dorogi, I., *see* Birkas, M. et al.
- Folorunso, O.A., *see* Ohu, J.O. and Folorunso, O.A.
- Frankinet, M., *see* Destain, M.F. et al.
- Franklin, M.F., *see* Ball, B.C. et al.
- Evans, M.T.B., *see* Parker, C.J. et al.
- Gallaher, R.N., *see* Vazquez, L. et al.
- Gaultney, L.D., *see* Cullum, R.F. et al.
- Graham, W.D., *see* Cullum, R.F. et al.
- Gupta, C.P. and Surendranath, T. (Bangkok, Thailand)
- Stress field in soil owing to tillage tool interaction ..... 123

Hanlon, E.A., <i>see</i> Vazquez, L. et al.	
Horn, R., <i>see</i> Blackwell, J. et al.	
Horn, R. (Kiel, F.R.G.), Blackwell, P.S. (Canberra, A.C.T., Australia) and White, R. (Griffith, N.S.W., Australia)	
The effect of speed of wheeling on soil stresses, rut depth and soil physical properties in an ameliorated transitional red-brown earth .....	353
Horn, R. and Dexter, A.R. (Kiel, F.R.G.)	
Dynamics of soil aggregation in an irrigated desert loess .....	253
Islam, A. <i>see</i> Rahman, S.M. and Islam, A.	
Jangwad, L.S., <i>see</i> Srivastava, K.L. et al.	
Jarvis, N.J., <i>see</i> Parker, C.J. et al.	
Jayawardane, N.S., <i>see</i> Blackwell, J. et al.	
Lal, R. <i>see</i> Ley, G.J. et al.	
Lang, R.W. <i>see</i> Ball, B.C. et al.	
Ley, G.J. (Mbeya, Tanzania), Mullins, C.E. (Aberdeen, Gt. Britain) and Lal, R. (Columbus, OH, U.S.A.)	
Hard-setting behaviour of some structurally weak tropical soils .....	365
McBride, R.A. (Guelph, Ont., Canada)	
Estimation of density-moisture-stress functions from uniaxial compression of unsaturated, structured soils .....	383
Misra, R.K. (Creswick, Vic., Australia)	
Penetration of soil aggregates of finite size. III. Wetting-drying and aggregate confinement effects on the penetrometer pressure .....	23
Mullins, C.E. <i>see</i> Ley, G.J. et al.	
Myhre, D.L., <i>see</i> Vazquez, L. et al.	
Ohu, J.O. and Folorunso, O.A. (Maiduguri, Nigeria)	
The effect of machinery traffic on the physical properties of a sandy loam soil and on the yield of sorghum in north-eastern Nigeria .....	399
Onofiock, O.E. (Nsukka, Nigeria)	
Effect of soil compaction and irrigation interval on the growth and yield of cowpea on a Nigerian ultisol .....	47
O'Sullivan, M.F. <i>see</i> Ball, B.C. et al.	
Panayiotopoulos, K.P. (Thessaloniki, Greece)	
Packing of sands — a review .....	101
Parker, C.J., Carr, M.K.V., Jarvis, N.J., Evans, M.T.B. and Lee, V.H. (Bedford, Gt. Britain)	
Effects of subsoil loosening and irrigation on soil physical properties, root distribution and water uptake of potatoes ( <i>Solanum tuberosum</i> ) .....	267
Portier, K.M., <i>see</i> Vazquez, L. et al.	
Rahman, S.M. and Islam, A. (Dhaka, Bangladesh)	
Effects of tillage depth on infiltration characteristics of two Bangladesh soils having ploughpans .....	407
Rauws, G. (Leuven, Belgium) and Auzet, A.V. (Strasbourg, France)	
Laboratory experiments on the effects of simulated tractor wheelings on linear soil erosion .....	75
Roisin, C., <i>see</i> Destain, M.F. et al.	
Sisson, J.B., <i>see</i> Christensen, N.B. et al.	
Smith, G.D., <i>see</i> Srivastava, K.L. et al.	
Srivastava, K.L., Smith, G.D. and Jangwad, L.S. (Andhra Pradesh, India)	
Compaction and shading effects on surface cracking in a Vertisol .....	151

- Surendranath, T., *see* Gupta, C.P. and Surendranath, T.
- Terpstra, R. (Wageningen, The Netherlands)
- Formation of new aggregates under laboratory-simulated field conditions ..... 13
- Vazquez, L. (General Terán, Mexico), Myhre, D.L., Gallaher, R.N., Hanlon, E.A. and  
Portier, K.M. (Gainesville, FL, U.S.A.)
- Soil compaction associated with tillage treatments for soybean ..... 35
- Webster, R., *see* Buraymah, I.M. and Webster, R.
- White, R., *see* Blackwell, J. et al.  
*see* Horn, R. et al.

